L8 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1997:558000 CAPLUS
DN 127:255363
ED Entered STN: 01 Sep 1997
TI Cast-coated paper, its manufacture, and ink-jet recording method using it
IN Kubota, Masami; Sasaguri, Nobuyasu; Nojima, Kazuhiro
PA Oji Paper Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 7 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
IC ICM B41M005-00
ICS D21H019-36
CC 74-6 (Radiation Chemistry, Photochemistry, and Photographic and Other Reprographic Processes)
Section cross-reference(s): 38, 42
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 09216457	A2	19970819	JP 1996-25092	19960213 <--
PRAI JP 1996-25092		19960213		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
JP 09216457	ICM	B41M005-00
	ICS	D21H019-36

AB The paper is manufactured by applying a solution composed of a polymer emulsion (Tg ≥40°, opacity at 20 g/m2 ≤25%; based on JIS P8138) containing a monomer with an ethylenically unsatd. linkage on an original paper having an undercoat layer containing a pigment and an adhesive, pressing the paper against the surface of a heated mirror-finished drum, and drying it. The obtained paper is also claimed. The recording method involves a process of spraying water-thinned inks from microholes and forming images on the paper. The paper shows high surface glossiness.
ST acrylic polymer coating ink jet paper; cast coated paper ink jet recording
IT Coating process
(cast; manufacture of cast-coated ink-jet recording paper with high surface glossiness)
IT Ink-jet recording sheets
Ink-jet recording sheets
(paper; manufacture of cast-coated ink-jet recording paper with high surface glossiness)
IT Paper
Paper
(printing, ink-jet; manufacture of cast-coated ink-jet recording paper with high surface glossiness)
IT 25036-19-5, Methyl acrylate-styrene copolymer 178156-70-2, 2-Methylhexyl acrylate-styrene copolymer
RL: DEV (Device component use); USES (Uses)
(manufacture of cast-coated ink-jet recording paper with high surface glossiness)
RN 25036-19-5
RN 178156-70-2

L8 ANSWER 2 OF 3 WPIX COPYRIGHT 2004 THE THOMSON CORP on STN
AN 1997-465881 [43] WPIX
DNN N1997-388500 DNC C1997-148190
TI Cast-coated paper for ink-jet recording - has coating liquid containing polymer emulsion containing monomer on base paper, pressed and dried..
DC A89 F09 G05 P75 T04
PA (OJIP) OJI PAPER CO
CYC 1

PI JP 09216457 A 19970819 (199743)* 7 B41M005-00 <--
ADT JP 09216457 A JP 1996-25092 19960213
PRAI JP 1996-25092 19960213
IC ICM B41M005-00
ICS D21H019-36
AB JP 09216457 A UPAB: 19971030
A cast-coated paper for ink-jet recording comprises forming a coated layer by applying a coating liquid containing polymer emulsion containing monomer with
ethylene unsaturated bond on a base paper forming an undercoated layer containing pigment and an adhesive, pressing it to heated specular drum and drying it. The polymer has a glass transition pt. of more than 40 deg. C. Opacity (JIS P8138) of a sample applied with the polymer on a transparent film so as to form a film weighing 20 g m-2 by dry weight is less than 25 %.
ADVANTAGE - The papers have excellent surface gloss for ink-jet recording.
Dwg.0/0
FS CPI EPI GMPI
FA AB
MC CPI: A07-B; A08-E01; A11-B05D; A12-W07F; F05-A06B; G02-A05C; G05-F03
EPI: T04-G02E

L8 ANSWER 3 OF 3 JAPIO (C) 2004 JPO on STN
AN 1997-216457 JAPIO
TI CAST COATED PAPER FOR INK JET RECORDING AND MANUFACTURE AND RECORDING
IN KUBOTA MASAMI; SASAKURI NOBUYASU; NOJIMA KAZUHIRO
PA OJI PAPER CO LTD
PI **JP 09216457** A 19970819 Heisei
AI JP 1996-25092 (JP08025092 Heisei) 19960213
PRAI JP 1996-25092 19960213
SO PATENT ABSTRACTS OF JAPAN (CD-ROM), Unexamined Applications, Vol. 1997
IC ICM B41M005-00
ICS D21H019-36
AB PROBLEM TO BE SOLVED: To obtain a cast coated paper with superior white paper surface luster and outstanding ink jet recording aptitude.
SOLUTION: A liquid of a polymer emulsion containing a monomer with an ethylene unsaturated bond is applied to a paper with an undercoat layer containing pigment and an additive to an coated layer, then this coated layer is pressed against a heated specular drum and is dried to finish the laminate as a cast coated paper for ink jet recording. The polymer has a glass transition point of 40°C or more, and the opacity (measured in compliance with JIS-P-8138) of a test sample of a transparent film on which the polymer is coated in such a manner that the dry weight of the test sample is 20g/m<SP>2</SP> is at most 25%.

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